

20001118.ba v03\_n038.bam.20001118

>From ???@??? Sat Nov 18 09:04:35 2000 -0600  
Date: Sat, 18 Nov 2000 09:01:47 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 3038  
Message-Id: <20001118160300.EE8563DB@devel43.theporch.com>

### BOATANCHORS Digest 3038

Topics covered in this issue include:

- 1) B&W370 - The Rest of the Story  
by cswiger <cswiger@wilma.widomaker.com>
- 2) Clear out sale  
by BEN NOCK <G4BXD@compuserve.com>
- 3) Lazy BFO?  
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 4) Re: Lazy BFO?  
by jackiv@juno.com
- 5) ADMINISTRIVIA: Changing Email Addresses  
by listown@nanniandjack.com (Mail List Owner)
- 6) unknown seller of Viking II  
by "russ dworakowski" <wb3fau@hotmail.com>
- 7) DM 19 dynamotors for the BC 223 xmtr  
by Paul Thekan <Paul.Thekan@eimac.cpii.com>
- 8) BC-1206-C, Shippment, & BC-348 parts.  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 9) Mis-sent reply  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 10) Hyperbolic Radionavigation Systems  
by Jerry Proc <jproc@idirect.com>
- 11) One Tube Mobile  
by Frank W Henrikson <kl0sw@arrl.net>
- 12) Re: Hyperbolic Radionavigation Systems  
by Dick Dillman <ddillman@igc.org>
- 13) Shack cleaning; old HRO + coils  
by JPevner@aol.com
- 14) Line Cords  
by Jerry Proc <jproc@idirect.com>
- 15) RE: Line Cords  
by "Richard W. Solomon" <w1ksz@tiac.net>
- 16) Re: Hyperbolic Radionavigation Systems  
by W0EOM@aol.com
- 17) WTB original Collins R-391 manual, R-390 parts  
by "Paul H. Anderson" <pha@pdq.com>
- 18) Re: Hyperbolic Radionavigation Systems

by "Sandy Blaize" <ebjr@i-55.com>  
19) FS: Collins S-Line, 30S-1, SM-1  
by "Gary Franklin" <franklin@net-link.net>  
20) Manuals For Sale  
by Robert Kemp <rkemp@mr.net>

-----  
Date: Fri, 17 Nov 2000 05:05:06 -0500 (EST)  
From: cswiger <cswiger@wilma.widomaker.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: B&W370 - The Rest of the Story  
Message-ID: <Pine.BSF.3.96.1001117050127.3400A-100000@wilma.widomaker.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang -

Thanks to Alvin's archive I now have a manual  
for the B&W370 sideband slicer. Finding papers is half  
the battle.

Turns out it is built around a model 360 "SSB Bandpass  
Filter" network designed to pass 17-20 Kc/s with steep sided  
skirts and "razor sharp" selectivity. Your IF is mixed with  
455 +/- 17Kc depending on desired sideband, bufferfied and  
run thru the filter network, then a 17Kc carrier is inserted  
(unless it's set for AM), then the actual detector is a  
couple of 1N34's! That's followed by a 6SJ7 and a 6V6. I don't  
know where they got their engineers but even the schematic  
doesn't show a daggone FUSE, just like their model 200 audio  
osc, another fuseless wonder.

Some other oddities: the filter has a spot for a  
s/n but there's nothing there (looked VERY closely too);  
the chassis has one tube socket professionally labled "6A8GT"  
but that's scratched over with pencil lead and the correct  
"6SN7" penciled in, another one stenciled "6KS" and also  
has "6SN7" penciled in. Maybe the technician had to hurry  
back to the inductor winding machine.

Chuck  
kb4new  
cswiger@widomaker.com

-----  
Date: Fri, 17 Nov 2000 08:03:43 -0500  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: Clear out sale

To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200011170803\_MC2-BB43-916A@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

Mk 328 Spy Receiver, complete, vgc. Mk 119 tx, cased, fine condx.  
Mk 123 Spy rx/tx, vgc. Eddystone 888A, very nice condition.....  
AP63993 Transmitter (B28 Navy unit).  
all above swaps for mil sets requested  
Unica SW Receiver, 0.5 to 30 Mhz, valved, mains, nice set..... 25.00  
Heathkit VF-1U vfo..... 20.00  
Heathkit SWR HM-2102...20.00  
Racal lo z handset inserts, brand new, green and green with red strip....=  
. =

1.00 Pound ea  
Sony RM-X1S Remote Controller.... 5.00  
Electroniques Transistor front end tuner, (G.C.)..... 10.00  
Mains Battery Eliminators, 3-12v, 300mA o/p..... 3.00  
ditto..... 13v 1A ..... 3.00=

A14 ATU..... 20.00  
BE-201 with PSU.....60.00  
British RAF Bathtub key, mint condition..... 40.00  
British RAF Bathtub key, fair condition..... 25.00  
German LW key, with Eagle & Swastica, vgc,..... 40.00  
RAF WWII Lancaster Bomber LEFT/RIGHT Meter, cased as SWR bridge, vgc,  
unusual in that it has the AM stamp on the front.... 20.00

all prices in Pounds. Postage extra on certain items.  
Ben.

-----  
Message-Id: <3.0.1.32.20001117101200.07319d28@vuse.vanderbilt.edu>  
Date: Fri, 17 Nov 2000 10:12:00 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>  
Subject: Lazy BFO?  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Well, folks, I got into it again with an AA5 rx, this time an S-38. (Why does he do it, you ask? Cuz they are easy to fix, he thinks. He is wrong.) The BFO doesn't wanna start. It will run if I tune in to a fairly strong station, presumably due to back-coupling through the gimmick cap

that couples the grid of the BFO to the IF stage.

If you don't wanna talk oscillators, read no further and delete.

No, I don't know what kind of oscillator this is. It does NOT match the schematic, but the wiring looks original. Here's the topology: Uses the triode of a 12SQ7. 15k from B+ to the plate, no bypass, so plate can bounce. This is coupled to the top of the coil with a 0.01 uF. The coil has a tap that is grounded. The bottom of the coil is attached to the grid through the parallel combination of a 47k/220 pF mica. The entire coil (i.e., top and bottom) is shunted by a resonating cap, 470 pF mica. The cathode is grounded. This is kind of a Colpitts I think, but not really.... The feed to the IF is accomplished by a wire from the grid that is wrapped around the IF grid lead to form a gimmick.

When it is running (with a strong IF signal kicking it) it resonates fairly nicely at 455 kc. Amplitude drops as one turns the coil slug away from that frequency. But it won't run by itself. Both of the resistors and both of the mica capacitors check out OK. The 0.01 coupling cap was replaced with a mylar unit. Would this circuit depend on coupling cap leakage to go? That would tend to bias the grid positive, the plate lives at something like 65 v when turned on. I dunno.

And this one makes IF oscillation on band 2 near 5 MHz as well. Never did figger out that S38D.

73            A. B. Bonds

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Date: Fri, 17 Nov 2000 11:01:09 -0600  
Subject: Re: Lazy BFO?  
Message-ID: <20001117.110109.-695415.2.jackiv@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
From: jackiv@juno.com

Well, another capacitor problem...

I have had several H-C BFO units not oscillate. When checking the mica caps, use a cap tester with 350 to 400 volts on the cap. micas do go bad, an ohmmeter won't show it. The silver of a silver mica migrates around the ends of the mica, the ordinary meter at the low voltage won't show it.

Been there, done that. That is a favorite circuit in the h-c stable.

73            Jack Iverson

On Fri, 17 Nov 2000 10:12:00 -0600 "A. B. Bonds" <ab@vuse.vanderbilt.edu> writes:

> Well, folks, I got into it again with an AA5 rx, this time an S-38.  
> (Why  
> does he do it, you ask? Cuz they are easy to fix, he thinks. He  
> is  
> wrong.) The BFO doesn't wanna start. It will run if I tune in to a  
> fairly  
> strong station, presumably due to back-coupling through the gimmick  
> cap  
> that couples the grid of the BFO to the IF stage.  
>  
> If you don't wanna talk oscillators, read no further and delete.  
>  
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> schematic, but the wiring looks original. Here's the topology:  
> Uses the  
> triode of a 12SQ7. 15k from B+ to the plate, no bypass, so plate  
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> bounce. This is coupled to the top of the coil with a 0.01 uF. The  
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> has a tap that is grounded. The bottom of the coil is attached to  
> the grid  
> through the parallel combination of a 47k/220 pF mica. The entire  
> coil  
> (i.e., top and bottom) is shunted by a resonating cap, 470 pF mica.  
> The  
> cathode is grounded. This is kind of a Colpitts I think, but not  
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> is wrapped around the IF grid lead to form a gimmick.  
>  
> When it is running (with a strong IF signal kicking it) it resonates  
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> nicely at 455 kc. Amplitude drops as one turns the coil slug away  
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> that frequency. But it won't run by itself. Both of the resistors  
> and  
> both of the mica capacitors check out OK. The 0.01 coupling cap  
> was  
> replaced with a mylar unit. Would this circuit depend on coupling  
> cap  
> leakage to go? That would tend to bias the grid positive, the plate  
> lives  
> at something like 65 v when turned on. I dunno.  
>

> And this one makes IF oscillation on band 2 near 5 mHz as well.  
> Never did  
> figger out that S38D.  
>  
> 73 A. B. Bonds  
>  
>

-----  
Message-Id: <200011171915.eAHJF5r01313@osr506.nanniandjack.com>  
From: listown@nanniandjack.com (Mail List Owner)  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: ADMINISTRIVIA: Changing Email Addresses  
Date: Fri, 17 Nov 2000 11:15:00 -0800 (PST)

Gang-

This periodic post is intended to help subscribers whose email address has changed, preventing posting or receipt of the list.

If you change ISP (InterNet Service Provider), simply send me an email advising the change, and I will do my best to implement the change quickly.

For those unfortunates, whose ISP has made a change without advising their customers of the potential impact of that change on subscribers to email lists like the boatanchors, where one must be a subscriber to post to the list, try to follow along...

Under some circumstances, the changes to your email address are "transparent" to you, but prevent posting. I get error notification for these kinds of problems, and I try to work them out. However, I may miss one, and on this end, the process is anything BUT automatic.

You have a bigger stick than I do. You and your ISP have the primary responsibility to repair the problems caused by the change at the ISP. I have zero leverage with your ISP, and you have great leverage.

Most ISP maintain a customer service department to help with problems like these. This should be your first line of support for email problems. I am happy to assist and consult, but try to understand that when your ISP makes a change to their email handler, and that change prevents you from posting to the boatanchors list, I can help, but resolving this problem is your responsibility, working with your ISP. I am but a volunteer, contributing my time to administer the list.

Thank you for your attention.

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Archiver/Owner - - -  
listown@nanniandjack.com - "Plus ca change, plus c'est la meme chose"

"Il n'y a que les idiots qui ne changent jamais d'idee"

Fri Nov 17 11:15:00 PST 2000

-----  
From: "russ dworakowski" <wb3fau@hotmail.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: unknown seller of Viking II  
Date: Fri, 17 Nov 2000 14:12:18 EST  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed  
Message-ID: <LAW2-F166FM83UV8wAd00000980@hotmail.com>

I am waiting for a reply from someone offering this  
rig for sale as they are moving-Russ

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Share information about yourself, create your own public profile at  
<http://profiles.msn.com>.

-----  
Message-Id: <4.2.0.58.20001117120603.00bc9bb0@pop3.eimac.cpii.com>  
Date: Fri, 17 Nov 2000 12:18:11 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Paul Thekan <Paul.Thekan@eimac.cpii.com>  
Subject: DM 19 dynamotors for the BC 223 xmtr  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello to the group

I have JUST the dynamotor and NOT the base housing unit that contained  
the relay contactor , connector and other related parts. It looks like  
these dynamotors where spares and not pulls. The majority of the dynamotors  
end bells are dented but can be hammered out. They are also scratched up. I  
have -B and -K models if that makes any difference to somebody. These where  
stored in a pile in a wooden crate. I've tried out a couple and they work  
fine putting out 500 vdc with 12 vdc driving it.

If anyone has a desire for one or more of these please drop me a line.  
They are heavy so shipping will be the biggest cost.

Thank you

Paul

-----  
Date: Fri, 17 Nov 2000 16:53:54 -0500  
From: "ROBERT W. DOWNS" <RWDDowns\_WA5CAB@compuserve.com>  
Subject: BC-1206-C, Shipment, & BC-348 parts.  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200011171654\_MC2-BB4A-D78A@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
          charset=ISO-8859-1  
Content-Disposition: inline

Message text written by Old Tube Radios

> I'm working on a couple of BC-1206 range receivers, and I need so-  
me  
documentation. They're the Setchell Carlson BC-1206-CM models, not the  
<

Ian,

The only manual that I have is on the BC-1206-A. Attached is a schematic=  
of the BC-1206-C. The legend says that it is Setchell Carlson. Don't kn=  
ow  
what difference the "M" might make. And unfortunately unlike the schemat=  
ic  
that I have for the BC-1206-B, it does not have the component values. =

Maybe it will help. If not, at least the price was right. :-)

The reason that I had not sent you the shipping cost for the RT-34, AN-95=  
,  
control boxes and connectors was that I had not shipped them. That has  
now been taken care of, and the cost is \$40.75. Tracking numbers are  
1Z1139X3031013 6121 and 6130. They should show up in their system later  
tonight.

I'll see what I can do on the BC-348 parts.

73,  
Robert Downs  
<RWDDowns\_WA5CAB@compuserve.com>  
Houston

-----  
Date: Fri, 17 Nov 2000 18:10:12 -0500  
From: "ROBERT W. DOWNS" <RWDDowns\_WA5CAB@compuserve.com>



Subject: Mis-sent reply  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200011171810\_MC2-BB50-BDF2@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

My apologies to the group for hitting the REPLY rather than the CREATE button this afternoon. My apologies to Ian also. Fortunately, there wasn't anything embarrassing in the post other than the fact that I was a couple of weeks later than I should have been in making a shipment, and those of you who know me know that isn't too unusual. :-)

Robert Downs  
<RWDowns\_WA5CAB@compuserve.com>  
Houston

-----  
Message-ID: <3A15C0CC.E81B3E85@idirect.com>  
Date: Fri, 17 Nov 2000 18:35:45 -0500  
From: Jerry Proc <jproc@idirect.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Hyperbolic Radionavigation Systems  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Folks,

As part of an ongoing effort to document and preserve information about radio technology of past eras, I would like to announce that the web page titled "Hyperbolic Radionavigation Systems" is now open for business at URL:

<http://webhome.idirect.com/~jproc/hyperbolic>

This web page is intended to review the hyperbolic radionavigation systems of the past and at least one current system, namely Loran-C. The systems featured on this web page are specific to my area of interest.

--

Regards,  
Jerry Proc VE3FAB jproc@idirect.com  
<http://webhome.idirect.com/~jproc/ve3fab>

HMCS HAIDA Historic Naval Ship, Toronto Ontario

-----  
Message-ID: <3A153F41.40A4BBB3@arrl.net>  
Date: Fri, 17 Nov 2000 05:22:58 -0900  
From: Frank W Henrikson <kl0sw@arrl.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: One Tube Mobile  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Looking for articles printed in the 50's on building small one tube mobile transmitters can any one steer me to the right magazines or books!

Thanks

Frank KL0SW  
Soldotna Alaska

-----  
Message-Id: <3.0.5.32.20001117172412.007b89f0@pop.igc.org>  
Date: Fri, 17 Nov 2000 17:24:12 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Dick Dillman <ddillman@igc.org>  
Subject: Re: Hyperbolic Radionavigation Systems  
Cc: boatanchors@theporch.com  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 06:35 PM 11/17/00 -0500, you wrote:

>As part of an ongoing effort to document and preserve information about  
>radio technology of past eras, I would like to announce that the web  
>page titled "Hyperbolic Radionavigation Systems" is now open for  
>business at URL:

Very interesting, Jerry. Thanks for making that page available. I checked it immediately to see if it contained information about a navigation system I ran into 10 years ago or so and have never seen documented anywhere except in some government papers I once saw.

It was called LORAC for LOnG RAnge ACcuracy.

I first came upon the LORAC signals soon after we moved our office to Ft. Mason, near the Golden Gate in San Francisco. I was playing around with some receivers and a spectrum analyzer, as a radioman is wont to do, when I

came across these pulsing signals - quite strong - just above the AM broadcast band. I like to think I know what most signals one hears on MF and HF are - or at least recognize them as something I've heard before. Not the case with these signals. They were new to me and they were there all the time, day or night.

While still mulling this over I went to Florida on a job near the Kennedy Space Center. I took along a HF receiver and was astounded to hear the same signals on essentially the same frequencies. But that was nothing compared to the surprise I got when documents on the Atlantic Missile Range I was handed a few moments later with the comment, "Here, see if you can make anything of this." There it was, complete documentation on the LORAC system as used for range ship navigation in the area of the KSC!

By the time I got back to San Francisco I was fired up to track down the source of these signals. So I started driving around the Marin headlands north of the Golden Gate with my Sony IC-2010 receiver tuned to the signal. And soon I came upon a tower with a little white box at the base. It seemed newly installed and it almost certainly was the source of at least one of the signals. But there was still another to be found. Using the same technique I located the matching tower and white box on the grounds of the Presidio army base south of the Golden Gate. This time to make sure I had my target correctly identified I carried along an ancient and very large General Radio wavemeter. I coupled the wavemeter into the ground wires of the tower and sure enough - the needle rose at the same time I heard the pulse signals in the receiver.

So I knew what the signals were and where they were coming from and what their purpose was. But I never found out who was using the system. Several years later the towers were removed.

The system seems somewhat like the LORAN-D system you describe because of its short base line.

Have you ever heard of the LORAC system?

Regards,

Dick

Dick Dillman, W6AWO  
Member of the Maritime Radio Historical Society  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

-----  
From: JPevner@aol.com

Message-ID: <5b.e1edf5f.2747391d@aol.com>  
Date: Fri, 17 Nov 2000 20:45:01 EST  
Subject: Shack cleaning; old HRO + coils  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Folk;

I have two HRO sets, and don't need any more projects!

So, for sale is a mid'30s HRO (with square xformers, black dial) rack mount. Cosmetically, the face is pretty good, the dial needs a repaint, and the knobs need their aluminum re-shined. It does include the housing with the lid, but someone has added some holes in the back., sides and top are ok. Interior looks pretty good with some paint wrinkling, no serious corrosion.

Electronically, it receives stations, and they sound ok. the BFO works, the plug-in crystal is present. I haven't aligned it. The S-meter moves, but doesn't register correctly, so there must be an AVC/ S-meter bridge issue. Most of the caps are replacement 600V poly, but ther are probably out of spec resistors etc...

The power plug was missing, so I fabricated one from an old tube base (same pinout).

Also included is the rack-mount 6 coil holder, and the A,B,C,D,E&F coils. The black wrinkle could use an overspray, and the labels need new plastic covers of course...

So, with some work, I believe it can be both sharp and usefull. I'd prefer not to do the E-thing for this rig.

I'd like \$300 + shipping from MA.

p.s. Sorry, but no PS or Speaker. The rigs needs about 3A of 6V and 70ma of approx 200VDC. The output tbe expects an extenal plate to speaker xformer.

Please reply direct if interested, I'll try to answer any questions promptly, but if multiple responses, the first "I'll take it" gets it.

-----  
Message-ID: <3A15DBB1.43E0202D@idirect.com>  
Date: Fri, 17 Nov 2000 20:30:25 -0500  
From: Jerry Proc <jproc@idirect.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Line Cords  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anyone looking for another source of line cords for your Boatanchor?  
Got deep pockets?  
Take a look at this product and especially the copy:

Power cable, only \$450 USD  
<http://hellohifi.com/cardas-gref-ac.html>

For most of us, Belden reigns supreme king!  
Hope everyone has a good laugh.

--

Regards,  
Jerry Proc  
VE3FAB  
jproc@idirect.com

-----  
From: "Richard W. Solomon" <w1ksz@tiac.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Line Cords  
Date: Fri, 17 Nov 2000 21:41:55 -0500  
Message-ID: <LOBBJFMMJJCIMDIAGBJLAELIFEAA.w1ksz@tiac.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Just proves old PT's theorem.  
Boy, are we in the wrong business !!

73, Dick, W1KSZ

-----Original Message-----

From: owner-boatanchors@theporch.com  
[mailto:owner-boatanchors@theporch.com] On Behalf Of Jerry Proc  
Sent: Friday, November 17, 2000 8:30 PM  
To: Old Tube Radios  
Subject: Line Cords

Anyone looking for another source of line cords for your Boatanchor?  
Got deep pockets?  
Take a look at this product and especially the copy:

Power cable, only \$450 USD  
<http://hellohifi.com/cardas-gref-ac.html>

For most of us, Belden reigns supreme king!  
Hope everyone has a good laugh.

--

Regards,  
Jerry Proc  
VE3FAB  
jproc@idirect.com

-----  
From: W0EOM@aol.com  
Message-ID: <af.3594c70.27475211@aol.com>  
Date: Fri, 17 Nov 2000 22:31:29 EST  
Subject: Re: Hyperbolic Radionavigation Systems  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: boatanchors@theporch.com  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Dick - LORAC is mentioned in NRL Report 8300, a history of the NRL. It states NRL investigated the performance of Lorac, Rana, Prefix, Lelts, and LCCS systems, all of the CW, hyperbolic, phase comparison type. Lorac was used for seismic surveys.  
all of these systems were found to be lacking in accuracy.

Will Jensby Santa Clara

-----  
Date: Fri, 17 Nov 2000 23:31:01 -0500 (EST)  
From: "Paul H. Anderson" <pha@pdq.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: WTB original Collins R-391 manual, R-390 parts  
Message-ID: <Pine.BSF.4.21.0011172328320.54797-100000@pdq.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Howdy,

I'm looking for an original R-391 maint manual - I have copies already.

I'm also looking for one each repairable as-is, or working RF, IF, crystal

deck, VFO, calibrator, and antenna relay for 390/391.

Thanks,

Paul

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Message-Id: <200011180441.WAA03514@exit1.i-55.com>  
From: "Sandy Blaize" <ebjr@i-55.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "Boatanchors reflector" <boatanchors@theporch.com>  
Subject: Re: Hyperbolic Radionavigation Systems  
Date: Fri, 17 Nov 2000 19:55:15 -0600  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

> So I knew what the signals were and where they were coming from and what  
> their purpose was. But I never found out who was using the system.  
> Several years later the towers were removed.  
>  
> Have you ever heard of the LORAC system?  
>  
> Regards,  
>  
> Dick  
>  
>  
> Dick Dillman, W6AWO

Nice detective work Dick! LORAC used to be all over the Gulf of Mexico off the Louisiana coast. Also a nother outfit by the name of Offshore Radist who later changed the name to Offshore Navigation (As I remember?) A long time ago they used BC-610 transmitters for their beacons! It was a "lane counting" system and if you lost lane count, you were all screwed up. The system was VERY accurate though. Someone also used the old SHORAN UHF bombing navigator in the oilpatch in the Gulf too for a while. Forget the designation. ARN-3? Anyway, we had SHORAN sets in our old Douglas B-26 aircraft (some of them) and others used the old ARN-9 LORAN "A" receivers.

73,  
Sandy Blaize, W5TVW  
"In the heart of Pumpkin Center, LA"

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Message-ID: <012901c05159\$f4cba5a0\$ad8f59cf@franklin>  
From: "Gary Franklin" <franklin@net-link.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: FS: Collins S-Line, 30S-1, SM-1  
Date: Sat, 18 Nov 2000 07:20:34 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have for sale an Winged emblem S-line which is all original that I would rate CCA Excellent. All original paint. All units work very well. I have all original manuals .This is an S-3 series with spinner type knobs:

32S-3  
75S-3  
312B-4  
516F-2

Also have a CCA excellent Winged emblem 30S-1 linear amplifier. This amplifier currently has a new 4CX1500B tube installed. Works great with full output power. Wired for 220vac. This unit did not have the 30S-1 script on the door panel however I did purchase a chromed die cast script sometime ago and never installed it. It is a very good reproduction of the original script and will be included. I also have an extra time delay tube.

I am also including a CCA excellent Winged emblem SM-1 Microphone which looks and works great.

I wish to sell as a complete package priced at \$3,650.00. Buyer pays all shipping cost which includes packaging materials. The 30S-1 will have to be crated and shipped common carrier. Since common carrier does not normally deliver to a residence you would need to make arrangements. I will be happy to drive within 150 miles of Kalamazoo Michigan , on a weekend for delivery. I wish to consider package offers first. I can consider selling separately later. Photo's via e-mail can be provided on request.

Thanks

Gary, K8BKB

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Message-ID: <3A169A05.869D7512@mr.net>  
Date: Sat, 18 Nov 2000 09:02:29 -0600  
From: Robert Kemp <rkemp@mr.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Manuals For Sale



Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have the following manuals for sale:

Original Manuals:

B&W5100 with copy of service notes     \$35.00  
Atlas 350XL \$30.00  
Atlas RX-110 \$15.00  
Drake MN-4   \$10.00  
Galaxy Vox 35C   \$5.00  
Galaxy Deluxe Console \$5.00  
Hallicrafters SX-117 \$20.00  
Heathkit SB-104A   \$25.00 (Assembly Manual)  
Heathkit DX-60B   \$15.00  
Heathkit SG-8 Signal Generator \$10.00  
Johnson Messenger: 202, 215 and 303/333   \$10.00 for all

Copies and Addendums to manuals:

Collins R388 \$5.00  
Johnson T/R Switch \$3.00  
National NC-303   Manual \$15.00  
National NC-300   Manual \$15.00  
Hallicrafters SX-110 Manual \$5.00  
Hallicrafters SX-42   Manual \$10.00  
Hallicrafters HT-44   \$10.00  
Hallicrafters SR-160/SR500 manuals \$15.00  
Hallicrafters S-76 \$10.00  
Galaxy Service Bulletins for V and others \$10.00  
Galaxy V Manual \$10.00  
Drake TR-4   \$15.00  
Allied AX-190 \$10.00

This will be first come first served for one or all.  
Handling and shipping will be an additional \$1.00 for all.

I won't be able to respond until tomorrow nite to any inquiries and will check dates and times as far as who repoded first.

Thanks much and hope these will be of some help to you.

Bob.

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End of BOATANCHORS Digest 3038  
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